## TABLE OF CONTENTS

*Volume 67*

### ARTICLES


ALAPATY, KIRAN, SETHU RAMAN, and R. V. MADALA / Simulation of Monsoon Boundary-Layer Processes Using a Regional Scale Nested Grid Model 407

BERKOFSKY, LOUIS and IAN McEWAN / The Prediction of Dust Erosion by Wind: An Interactive Model 385

CUXART, J. and M. R. SOLER / A Comparison between Transilient Turbulence Theory and the Exchange Coefficient Model Approaches 251

GAMO, M., P. GOYAL, MANJU KUMARI, U. C. MOHANTY, and M. P. SINGH / Mixed-Layer Characteristics as Related to the Monsoon Climate of New Delhi, India 213

GARDINER, B. A. / Wind and Wind Forces in a Plantation Spruce Forest 161

HIBBERD, M. F. and B. L. SAWFORD / A Saline Laboratory Model of the Planetary Convective Boundary Layer 229

HIBBERD, M. F. and B. L. SAWFORD / Design Criteria for Water Tank Models of Dispersion in the Planetary Convective Boundary Layer 97

KUWAGATA, TSUNEO, JUNSEI KONDO, and MASATOSHI SUMIOKA / Thermal Effect of the Sea Breeze on the Structure of the Boundary Layer and the Heat Budget over Land 119

LY, LE NGOC and EUGENE S. TAKLE / A Numerical Study of the Influence of an Air Temperature-Inversion Layer and a Seawater Density-Jump Layer on the Structure of Interacting Boundary Layers 327

MAHRT, L., J. I. MacPHERSON, and RAY DESJARDINS / Observations of Fluxes over Heterogeneous Surfaces 345

MILES, JOHN / Analytical Solutions for the Ekman Layer 1

MOLE, NILS and C. D. JONES / Concentration Fluctuation Data from Dispersion Experiments Carried Out in Stable and Unstable Conditions 41

MONBALIU, J. / On the Use of the Donelan Wave Spectral Parameter as a Measure for the Roughness of Wind Waves 277

NÄSLUND, ERIK, HOWARD C. RODEAN, and JOHN S. NASSTROM / A Comparison between Two Stochastic Diffusion Models in a Complex Three-Dimensional Flow 369

PEREIRA DE OLIVEIRA, AMAURI and DAVID R. FITZJARRALD / The Amazon River Breeze and the Local Boundary Layer: II. Linear Analysis and Modelling 75

SCHMID, H. P. / Source Areas for Scalars and Scalar Fluxes 293

WEIJERS, E. P., A. VAN DELDEN, and H. F. VUGTS / Kinematic Estimates within Surface-Layer Thermal Structures 145

YEE, EUGENE, R. CHAN, P. R. KOSTENIUK, G. M. CHANDLER, C. A. BILTOFT, and J. F. BOWERS / Incorporation of Internal Fluctuations in a Meandering Plume Model of Concentration Fluctuations 11

RESEARCH NOTES:

LEE, XUHUI, T. ANDREW BLACK, and MICHAEL D. NOVAK / Comparison of Flux Measurements with Open- and Closed-Path Gas Analyzers above an Agricultural Field and a Forest Floor 195

LOHAR, D., B. PAL, and B. CHAKRAVARTY / Sea Breeze Activity at an Inland Station Kharagpur (India) – A Case Study 427

ROTACH, M. W. / Determination of the Zero Plane Displacement in an Urban Environment 187

Announcement 203

Table of Contents 435

Author Index 437

Subject Index 439

The 'KLUWER' LaTeX Style File: Instructions for Authors 205, 319, 441